

# JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone) **JD Roberts, EA, 281-461-5109** 2. Date Prepared **05/01/07**

Location of Item(s):

3. Building **421** Room **Bond** 4. Contact and Phone **Alfredo Cavallo, 281-483-0287**

5. Status of Items

☐ Transfer to Other NASA Center ☐ GPP To Contractor  
☒ Test and Return ☐ Loan (Number) \_\_\_\_\_  
☐ Replacement or Credit ☐ Vendor Owned  
☐ Relocation ☐ Repair and Return  
☐ For Flight/Return ☐ Other NASA Ctr. Property

JF 1027 No.: **N/A**

6. Shipping Information (Check One)

☒ Prepaid ☐ Vendor Pickup  
☐ Collect ☐ Hand Carry  
☐ Government Funds (Cite #s) ☐ Third Party Billing

7. Shipment in Direct Support of:

☐ Shuttle STS: \_\_\_\_\_ ☒ Other, Please Explain  
☐ Space Station Mission: \_\_\_\_\_ For Assy & Test

8. QUALITY CONTROL INFORMATION (Check Each)

☒ Flight/Mission ☐ Non-Flight  
☐ GSE ☐ Other

9. Materials Classified (Define Block 25)

10. Data Package Enclosed? **PD** YES ☒ NO ☐

11. APPROVAL - Typed Name and Signature

Division Chief **[Signature]** DATE **5/1/07**

Property Custodian - Mail Code **113300** **5/1/07**

Contracting Officer **[Signature]**

Quality Assurance Representative **[Signature]**

Other

12. From:

NASA/Lyndon B. Johnson Space Center  
 Transportation Officer, Bldg. 421  
 2101 NASA Road 1  
 Houston, Texas 77058

(For Return Shipments to JSC, include quantity number from block 16)

13. Ship To

LABG

Einsteinstrasse 20

85521 Ottobrunn

Germany

Mark ForPhone Number: **Contact: Stefan Dillinger, Tel. +49 89 6088-3487**

25. Remarks

Items listed are for the assembly of scientific instrument testing, provided under collaborative agreement between NASA and the destination institute. Items listed are Class I.

26. Item No.	27. Equipment Control No.	28. Model/Stock/Part Number	29. Item Description, Serial No., Manufacturer No., Lot No., License Plate No., Class of Hardware	30. Unit of Issue	31. Qty.	32. Unit Price	33. Total Value
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1		SDG39135892-805	Bolt, Lot #2115, Class I	ea	8	27.50	220.00
2		SDG39135892-807	Bolt, Double Hex Hd, Lot #TS212, Class I	ea	7	116.00	812.00
3		SDG39135892-817	Bolt, Double Hex, Lot #10238, Class I	ea	8	190.00	1520.00
4		NASMI65555-52	Pin, Straight, Headless, Lot #2062, Class I	ea	1	5.50	5.50
5		NAS1352N02-6	Screw, Socket Head, Lot #37407, Class I	ea	16	0.05	0.80
6		NAS1351N6LB16	Bolt, Socket Head, Lot #18323, Class I	ea	4	45.00	180.00

34. Recalculation of Shipment (Spaced below to be completed by logistics division only)

Remove ECN Tag? ☐ Yes ☐ No

35. Receipt Info	36. Sheet Total
Containers Recd	2,738.30
Quantities Recd	3,068.30
Date Recd	
Rectd By	
38. Receiving Voucher No.	

14. Date Required at Destination **05/09/07** Is 290A Used? **YES**

16. Authority Or Purpose **AMS-02 Project**

17. Signature Supply and Equipment Management Officer **[Signature]**

18. Signature Supply and Equipment Management Officer **[Signature]**

19. JCN (Tracking Control Number) **1902-207**

20. Date Shipped **5/4/07**

21. Mode of Shipment **BAX INT'L**

22. Bill of Lading **85362200**

23. Appropriation/Funding Data

24. Project Code

**Packed w/ 1878-207**

**5/3/07**

ORIGINAL

SEND A COPY OF THIS JF FOR 290 WITH RETURN SHIPMENT

See other 290.

# SHIPPING DOCUMENT (Continuation Sheet)

PAGE 2 OF 4 PAGES

TON

VOUCHER NO.  
J7-123-003

15. ITEM NO.	16. EQUIPMENT CONTROL NUMBER	17. MODEL NUMBER/ STOCK NUMBER/ PART NUMBER	18. ITEM DESCRIPTION, SERIAL NO., MANUFACTURER NO., LOT NO., LICENSE PLATE NO., CLASS OF HARDWARE	19. UNIT OF ISSUE	20. QTY	21. UNIT PRICE	22. TOTAL VALUE
7.		NAS1149E0632R	Washer, Flat, Lot#7905-11/06/03, Class I	ea	4	1.00	4.00
8.		NAS1149EN232R	Washer, Flat, Lot#11097-10/20/04, Class I	ea	8	2.50	20.00
9.		SDG39135749-001	Bushing Plate Diagonal Sill, S/N 1013, Class I	ea	1	54.85	54.85
10.		SDG39135749-001	Bushing Plate Diagonal Sill, S/N 1014, Class I	ea	1	54.85	54.85
11.		SDG39135749-001	Bushing Plate Diagonal Sill, S/N 1015, Class I	ea	1	54.85	54.85
12.		SDG39135749-001	Bushing Plate Diagonal Sill, S/N 1016, Class I	ea	1	54.85	54.85
13.		NAS1351N4-28	Screw, Socket Head, Lot #32470/073001, Class I	ea	20	3.00	60.00
14.		NAS1149E0463R	Washer, Flat, Lot #8388-5/10/02, Class I	ea	20	0.50	10.00
15.		NAS1587-4C	Washer, CSK, Lot #P6893, Class I	ea	20	0.83	16.60

# Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components

Voucher Number  
J7-123-103

1. Are there any special documented requirements addressing special handling, packaging, and shipping that needs to be attached to the packing list for this item(s)? A copy of the information is to be attached and specified in block 25 of the 290 prior to submitting. ☐ Yes ☒ No
2. Does the item(s) identified on the 290 require clean room isolation? If yes, identify what cleanliness level (GC, VC, UV-VC, and types of Precision cleaned 100A, 200A, etc.) and specify the requirement document (e.g., SN-C-0005, D683-10450-1, other). If not a NASA document, a copy must be attached to the 290. ☐ Yes ☒ No
3. Is the item(s) identified on the 290 "Electrostatic Discharge" (ESD) sensitive?  
IS THE HARDWARE PACKAGED CORRECTLY FOR ESD SENSITIVITY? ☐ Yes ☒ No
4. Does the item(s) identified on the 290 contain any hazardous chemicals or materials? If yes, identify the type of chemicals or materials and provide the Material Safety Data Sheet for each item. ☐ Yes ☒ No
  - a. Does the item(s) listed contain any explosive or pyrotechnic material? If yes, provide the classification and net weight of each item. ☐ Yes ☒ No
  - b. Does the item(s) contain batteries. If yes, identify the type of battery? ☐ Yes ☒ No
  - c. If the item(s) contains Lithium-Ion, Lithium Metal or Lithium Alloy, provide the total Lithium content or Lithium-equivalent per battery (grams). ☐ Yes ☒ No
  - d. Does the item contain any radioactive materials? (This includes any hazardous radioactive material embedded in the item). If yes, provide a completed JSC Form 1625, "Radioactive Material Transfer Receipt." Ensure the item(s) are identified with the radiation symbols and clearly mark with the label(s) as shown in question 10. ☐ Yes ☒ No
  - e. Does the item(s) contain any compressed pressure systems (e.g. cylinders)? If yes, identify the types of fluid or gas contained in the system and if gas, what is the pressure. ☐ Yes ☒ No
  - f. Does the item contain any biological specimens? If yes, please identify, describe, and add the MSDS telling what to do in case of a spill, puncture, or rupture? ☐ Yes ☒ No
5. Does the item(s) require any special temperature or humidity control in its handling, packaging, or shipping? If yes, please identify and provide the following information in Fahrenheit: ☐ Yes ☒ No

Minimum temperature: \_\_\_\_\_  
Maximum temperature: \_\_\_\_\_

Minimum humidity: \_\_\_\_\_  
Maximum humidity: \_\_\_\_\_

# Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components

Voucher Number  
17-123-003

6. Are the item(s) perishable? If yes, identify, describe:
 

☐ Yes ☒ No
  
7. Does this item(s) require protection from exposure to the elements? If yes, identify. Be sure to change the "revision date" of this form.
 


☐ Yes ☒ No
  
8. Does this item(s) require special monitoring equipment (e.g. shock, humidity, vibration, or temperature sensors)? If yes, identify the type and duration of monitoring required?
 

☐ Yes ☒ No
  
9. Does this item(s) require any unique labeling and if yes, please check/verify appropriate label(s) to be used:
 

☐ Yes ☒ No

☐ NASA CRITICAL SPACE ITEM: HANDLE WITH CARE  
☐ DELICATE INSTRUMENT: HANDLE WITH CARE  
☐ THIS END UP  
☐ FRAGILE LIQUID IN GLASS: HANDLE WITH CARE  
☐ FRAGILE LIQUID IN PLASTIC: DO NOT CUT  
☐ PERISHABLE RUSH  
☐ FRAGILE  
☐ SMALL PARTS ENCLOSED  
☐ ELECTROSTATIC DISCHARGE CONTROL REQUIREMENTS  
☐ CLEANLINESS  
☐ DO NOT X-RAY  
☐ LIMITED SHELF LIFE ITEMS - PROCESS IMMEDIATELY  
☐ CONTROLLED ENVIRONMENT  
☐ BIOLOGICAL SPECIMENS  
☐ TEMPERATURE/HUMIDITY  
☐ RADIOACTIVE MATERIAL  
☐ CONTAINS HIGH PRESSURE  
☐ DO NOT FREEZE  
☐ OTHER

PPP-B-636  
 PPP-C-850  
 PPP-T-45  
 PPP-T-57  
 PPP-B-26  
 NASA labels

Printed Name J. D. Roberts	Mail Code JE-3EA	Signed Name 	Date Signed 05/01/07	Phone Number 281-461-5109	Cell Phone Number
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# Johnson Space Center Export Control Request and Approval Worksheet

Date of Request 05/01/07

Reference Number

EA2-07-117-002

Directions: At least 90 days prior to exporting hardware, software or data to a foreign national, submit this form to your Export Control Representative

**SECTION 1 (complete for all exports)**Date of Export: 5/4/07Requested by: Phil MottPhil MottOrg/Company: EAI / Jacobs SverdrupPhone Number: (281) 461-5712Email: philip.mott@escg.jacobs.comFax: (281) 461-5926

General description of export (spell out acronyms)

Fasteners

Is this a temporary export? ☐ Yes ☒ NoIf yes, when will it be returned? 12/21/07What requirement or agreement do we have with the foreign national to provide this export? JSC28792, Rev. DFor what purpose is it being exported (what is the end-user)? Assemble with AMS-02 hardware for testing.Contact: Stefan Dillinger, Phone +49 89 6088-3487To whom is it being exported? (or attach ProForma invoice) IABG, Einsteinstrasse 20, 85521 Ottobrunn, GermanyWhat program does this export support? Alpha Magnetic Spectrometer (AMS) - 02Date denied parties/entities list checked: 5/2/07

Type of export (mark all that apply):

☒ Hardware☐ Software☐ Data☐ Information via discussions

(if you checked hardware or software, please attach a completed ProForma Invoice -- )

Method of export (mark all that apply):

☐ Discussion☒ JSC Transportation Office☐ Hand carry☐ JSC Mail Room☐ Electronic☐ Other**SECTION 2**

Export Classification

EAR99/NLR

Classification rationale

Fasteners are sent for assembly. Classification per memo from NASA HQ/UM to JSC/OZ2, dated 3/28/02. Status of AMS compliance with U.S. Export Regulations.**SECTION 3****Approvals**

Stephen Lankin

Export classifications for this shipment were determined by

Date

5/2/07

(281)483-8264

Phil Mott

Date

5/2/07

(281) 483-8264

Signature of Export Control Official (ECR or CEA)

Date

Phone

ES T Approval (req'd for use of export license and license exemption/exception only)

Date

Phone

**\*\* THESE ITEMS HAVE NO COMMERCIAL VALUE \*\***  
 AES X20070504033958

**AIRBILL # 85362200** **TCN # 1902-207**  
**Proforma Invoice** **J7-123-003**

<b>Export Tracking Number:</b>	<b>License Number:</b>	<b>Intermediate Consignee (when required):</b>	<b>JSC Voucher Number: EA2-07-117-002</b>
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)		Destination (include phone contact): IABG Einsteinstrasse 20 85521 Ottofurum Germany Contact: Stefan Dillinger Phone: +49 89 6088-3487	

"These items are exported from the United States for ultimate destination Germany, in accordance with the Export Administration Regulations. Diversion, retransfer, disclosure, or use contrary to applications specified in NASA agreement without prior written U.S. authorization are prohibited."

Item	Qty	Detailed Description	NASA Tag and/or Serial/Stock Number	Manufacturer Country of Origin	* Weight (kgs)	ECCN/USML CAT	License/Exemption/Exception	Schedule B No. (see census.gov)	Sched. B Qty	Unit Value	Total Cost
1	8	SDG39135892-805, Bolt, Lot #2115, Class I	NONE	Carpenter - USA	0.45	EAR99	NLR	7318.19.0000	KG	\$27.50	\$220.00
2	7	SDG39135892-807, Bolt, Double Hex Head Lot #T5212, Class I	NONE	SPS - USA	0.45	EAR99	NLR	7318.19.0000	KG	\$116.00	\$812.00
3	8	SDG39135892-817, Bolt, Double Hex, Lot #10238, Class I	NONE	Hatch - USA	0.45	EAR99	NLR	7318.19.0000	KG	\$190.00	\$1,520.00
4	1	NASMI6555-52, Pin, Straight, Headless, Lot #2062, Class I	NONE	Houston Aerospace - USA		EAR99	NLR			\$5.50	\$5.50
5	16	NAS1352N02-6, Screw, Socket Head, Lot #37407, Class I	NONE	3V Fasteners - USA		EAR99	NLR			\$0.05	\$0.80
6	4	NAS1351N6LB16, Bolt, Socket Head, Lot #18323, Class I	NONE	CBS Fasteners - USA	0.3	EAR99	NLR	7318.19.0000	KG	\$45.00	\$180.00
7	4	NAS1149E0632R, Washer, Flat, Lot #7905-11/06/03, Class I	NONE	KJL Fasteners - USA		EAR99	NLR			\$1.00	\$4.00
8	8	NAS1149EN232R, Washer, Flat, Lot #11097-10/20/04, Class I	NONE	KJL Fasteners - USA		EAR99	NLR			\$2.50	\$20.00

\*\*\*PACKED IN ONE SKIDDED BOX\*\*\*

*Silvia Hanagriff*  
 Traffic Management Specialist  
 Date 5-4-07

Total All Sheets: \$3,068.30

Notes:  
 1. This form must be completed for all exports.  
 2. Shipments to Russia require invoice transition by initiator.

This is not a sale, value shown is for Customs purposes only.

AIRBILL # 85362200

TCN # 1902-207

## ProForma Invoice

J7-123-003

Export Tracking Number:		License Number:		JSC Voucher Number: EA2-07-118-0222	
Ship per:		Intermediate Cosignee (when required):		Destination (include phone contact):	
Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)				IABG Einsteinstrasse 20 85521 Otobrunn Germany Contact: Stefan Dillinger Phone: +49 89 6088-3487	

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Item	Qty	Detailed Description	NASA Tag and/or Serial/Stock Number	Manufacturer Country of Origin	* Weight (kgs)	ECCN/USML CAT	License/Exemption/Exception	Schedule B No. (see census.gov)	Sched. B Qty	Unit Value	Total Cost
9	1	SDG39135749-001, Bushing Plate Diagonal Sill, S/N 1013, Class I	NONE	Jacobs - USA		EAR99	NLR			\$54.85	\$54.85
10	1	SDG39135749-001, Bushing Plate Diagonal Sill, S/N 1014, Class I	NONE	Jacobs - USA		EAR99	NLR			\$54.85	\$54.85
11	1	SDG39135749-001, Bushing Plate Diagonal Sill, S/N 1015, Class I	NONE	Jacobs - USA		EAR99	NLR			\$54.85	\$54.85
12	1	SDG39135749-001, Bushing Plate Diagonal Sill, S/N 1016, Class I	NONE	Jacobs - USA		EAR99	NLR			\$54.85	\$54.85
13	20	NAS1351N4-28, Screw, Socket Head, Lot #32470/073001, Class I	NONE	Alabama Aerospace - USA		EAR99	NLR			\$3.00	\$60.00
14	20	NAS1149E0463R, Washer, Flat, Lot #8388-5/10/02, Class I	NONE	KIL Fasteners - USA		EAR99	NLR			\$0.50	\$10.00
15	20	NAS1587-4C, Washer, CSK, Lot #P6893, Class I	NONE	KIL Fasteners - USA		EAR99	NLR			\$0.83	\$16.60

Total All Sheets:

## Notes:

1. This form must be completed for all exports.
2. Shipments to Russia require invoice transition by Initiator.

Traffic Management Specialist Date